

KAKUSHKINA, Ye. A.

"Change of the Fractional Secretion of 17-Ketosteroids In the Urine In Women of Different Age Groups and During Physiological "Stress" of the Organism (Menstruation, Pregnancy)."

Theses of the Proceedings of the Annual Scientific Sessions 23-26 March 1959  
(All-Union Institute of ~~Experimental~~ Experimental Endocrinology)

From the Scientific Research Institute of Obstetrics and Gynecology (Director--  
Docent L. G. Stepanov) of the Ministry of Health RSFSR

KAKUSHKINA, Ye.A.

Possibility of detecting a monophasic menstrual cycle by the ratio of estrogens in urine. Akush.i gin. 35 no.4:6-12 Jl-Ag '59.

(MIRA 12:11)

1. Iz laboratorii endokrinologii (sav. Ye.A. Kakushkina) Instituta akusherstva i ginekologii (dir. - dotsent L.G. Stepanov) Ministerstva zdravookhraneniya RSFSR.

(MENSTRUATION DISORDERS urine)

(ESTROGENS urine)

STEPANOV, L.G., red.; KAKUSHKINA, Ye.A., red.; ALEKSANDROV, N.I., red.;  
RAFAL'KES, S.B., red.; ZUYEVA, N.K., tekhn.red.

[Hormonal research in gynecology; collection of works of the  
Endocrinology Laboratory at the Research Institute for Midwifery  
and Gynecology of the Ministry of Public Health of the R.S.F.S.R.]  
Gormonal'nye issledovaniia v ginekologii; sbornik rabot laboratorii  
endokrinologii Nauchno-issledovatel'skogo instituta akusherstva i  
ginekologii Ministerstva zdravookhraneniia RSFSR. Moskva, Gos.  
izd-vo med.lit-ry Medgiz, 1960. 201 p. (MIRA 14:7)  
(GYNECOLOGICAL RESEARCH) (HORMONES, SEX)

KAKUSHKINA, Ye.A.; PLODOVSKAYA, L.A.; MIRER, N.G.

Physiology of the development of offspring born from females  
subjected to radiation injury in the embryonal period. Zhur.  
ob.biol. 23 no.4:296-301 J1-Ag '62. (MIRA 15:9)

1. Iz laboratorii endokrinologii Instituta akusherstva i ginekologii  
Ministerstva zdravookhraneniya RSFSR.  
(X RAYS--PHYSIOLOGICAL EFFECT) (EMBRYOLOGY)

Erdős, P.; and Kakutani, S. On a perfect set. Colloq. Math. 4 (1957), 195-196. 76

This article is taken from a letter of P. Erdős to E. Marczewski, one paragraph of which is as follows.

...Enclosed I send you our promised solution to your problem P 125, Colloq. Math. 3 (1954), p. 75. The problem is this: A linear set  $S$  is said to have property  $(S_n)$  if there exists an  $\eta_n$  such that if  $x_1 < x_2 < \dots < x_n$  with  $x_n - x_1 < \eta_n$  are any  $n$  real numbers, there exist  $n$  elements  $y_1, y_2, \dots, y_n$  of  $S$  congruent to  $x_1, x_2, \dots, x_n$ . You ask: Does there exist a perfect set  $S$  of measure 0 having property  $(S_n)$ ? Kakutani and I have constructed a perfect set  $S$  of meas-

ure 0 having property  $(S_n)$  for all  $n \geq 2$ . Our set  $S$  is defined as the set of non-negative numbers

$$\sum_{k=1}^{\infty} a_k / k!, \quad 0 \leq a_k \leq k-2.$$

KAKUYEVITSKIY L.I.; KRUPITSKIY, A.Yu.; SAKOV, A.D.; KHEYFITS, M.E.,  
inzh., red.; NIKOLAYEVA, M.I., red.; BORUNOV, N.I., tekhn. red.

[Manual on relays used in electric protection and automatic  
control systems] Spravochnik rele zashchity i avtomatiki. Pod  
red. M.E.Kheifitsa. Moskva, Gosenergoizdat, 1962. 190 p.  
(MIRA 15:7)

(Electric relays---Handbooks, manuals, etc.)

12(2)

SOV/113-59-6-7/21

AUTHOR: Kakuyevitskiy, V.A., Candidate of Technical Sciences

TITLE: The Stressed State of a Piston Pin

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 6, pp 22-25 (USSR)

ABSTRACT: This article describes tests carried out on piston pins of engines produced by the Gor'kovskiy avtozavod (Gor'kiy Automobile Plant) made of steel 45, to determine the residual stress caused in them by induction surface hardening. Investigation of the most harmful of such stresses, tangential and axial, showed (Figure 1) that compressing tangential and axial stresses were present in the outer surface of the piston pins. The maximum tangential tensions varied according to the depth of the surface hardened layer from 25-55 kg/mm<sup>2</sup>. The maximum axial stresses ranged from 40 to 45 kg/mm<sup>2</sup>. It was concluded that

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The Stressed State of a Piston Pin

the piston pins were strong enough. There are 5 diagrams, 1 graph and 8 Soviet references.

ASSOCIATION: Ukrainskiy dorozhno-transportnyy nauchno-issledovatel'skiy institut (Ukrainian Road Transport Scientific Research Institute)

Card 2/2



KAKUYEVITSKIY, V.A., kand. tekhn. nauk.

Using electric gyrobus in municipal public transportation. Gor.  
khoz. Mosk. 33 no.7:33-36 J1 '59. . . . . (MIRA 12:10)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledovatel'skiy insti-  
tut.

(Omnibuses)

KAKUYEVITSKIY V.A. [Kakulevyts'kyi, V.A.], kand.tekhn.nauk; SILKIN,  
A.S. [Sylkin, A.S.], inzh.

Repairing motortruck parts by plastic deformation. Mekh.  
sil'.hosp. 10 no.11:15-17 M '59. (MIRA 13:3)  
(Motortrucks--Maintenance and repair)

KAKUYEVITSKIY, Valeriy Aleksandrovich; TANCHAROVA, V., red.; GORKAVENKO, L.,  
tekhn.red.

[Centralized reconditioning of motor-vehicle parts; technical and  
economic foundation, problems of organization] **TSentralizovannoe**  
**vosstanovlenie detalei avtomobilei; tekhniko-ekonomicheskoe obosno-**  
**vanie, voprosy organizatsii. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1960.**  
53 p. (MIRA 13:9)

(Motor vehicles--Maintenance and repair)

KAKUYEVITSKIY, Valeriy Aleksandrovich; SILKIN, Anatoliy Stepanovich;  
ASRIYANTS, A.I., red.; DONSKAYA, G.D., tekhn.red.

[Using plastic deformation methods in reconditioning motor-vehicle  
parts] Vosstanovlenie detalei avtomobilia metodom davleniya.  
Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shossei-  
nykh dorog RSFSR, 1960. 55 p. (MIRA 13:6)  
(Motor vehicles--Maintenance and repair)

S/129/60/000/04/008/020  
E073/E535

AUTHOR: Kakuyevitskiy, V. A., Candidate of Technical Sciences  
TITLE: Influence of Residual Stresses on the Changes in the  
Hardness of the Steel 45 Quenched After High Frequency  
Heating 16

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,  
1960, No 4, pp 38-41 (USSR)

ABSTRACT: L. A. Glikman (Refs 1 and 2) and D. M. Zagorodskikh  
(Refs 3 and 4) established that residual compression  
stresses bring about an increase in the hardness of the  
steel, whilst residual tensile stresses lead to a  
decrease in the hardness. This is in accordance with the  
well known fact that lateral compression increases the  
hardness owing to a decrease in the tangential stresses,  
whilst lateral tensile stresses lead to a decrease in  
hardness. The authors of this paper investigated the  
influence of redistribution of the residual stresses  
caused by plastic deformation on the hardness of specimens  
made of Steel 45 which were quenched after high frequency  
heating. The author was interested in determining the

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interference during forcing  
To determine the

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E073/E535

Influence of Residual Stresses on the Changes in the Hardness of  
the Steel 45 Quenched After High Frequency Heating

quantitative relation between the decrease in hardness on the external surface of the specimens and the magnitude of residual stresses which bring about these changes in hardness the most dangerous tangential residual stresses were determined for each of a pair of specimens of which one was not stretched, whilst the other was stretched using various degrees of interference. For this purpose specimens were ground along the external diameter to a depth of 0.5 mm and then they were bored layer by layer and cut along the generatrix. In the graphs, Fig 4, the epures of the tangential residual stresses along the wall thickness of the specimens are plotted both for specimens which were and which were not stretched. Comparison of the data plotted in Figs 3 and 4b indicates that a drop in the hardness of the external surface of stretched specimens is due to a transition from residual compression stresses to residual tensile stresses. The obtained

Card 3/4 results show that the optimum interference during

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the Steel 45 Quenched After High Frequency Heating

stretching of gudgeon pins is 0.16 to 0.20 mm; in this case  
the residual stresses on the external surface of the pins  
will be insignificant, the drop in hardness will not  
exceed 1 to 2 R<sub>C</sub> and the magnitude of residual deformation  
along the external diameter will be sufficient for  
recovery of worn gudgeon pins.  
There are 4 figures and 6 references, 5 of which are  
Soviet and 1 German.

ASSOCIATION: Ukrainskiy dorozhno-transportnyy nauchno-  
issledovatel'skiy institut (Ukrainian Road Transportation  
Scientific Research Institute)

Card 4/4

KAKUYEVITSKIY, V.A., kand.tekhn.nauk

Internal losses in diesel engines. Trakt.i sel'khoz Mash. 30  
no.2:18-23 F '60. (MIRA 13:5)  
(Diesel engines)



KAKUYEVITSKIY, V., kand.tekhn.nauk

Selecting parts for repairing. Avt.transp. 38 no.2:37-38 P '60.  
(MIRA 13:6)

(Motor vehicles--Maintenance and repair)

KAKUYEVISTKIY, V.A. [Kakuevyst'kiy, V.A.], kand.tekhn.nauk; ARTYUKHOV,  
M.A., inzh.

Building surfaces up by pulsation welding. Mekh. sil'. hosp. 11  
no.9:3-5 S '60. (MIRA 13:9)  
(Electric welding)

KAKUYEVITSKIY, V., kand.tekhn.nauk; LUTSKER, J., inzh.

Development of motor-vehicle repair. Avt.transp. 38 no.9:30-32  
S '60. (MIRA 13:9)

(Motor vehicles--Maintenance and repair)

KAKUYEVITSKIY, V.A., kand.tekhn.nauk

Effect of the dseign of carburetor engine parameters on mechanical  
losses. Avt. prom. no.2:18-19 F '61. (MIRA 14:3)  
(Automobiles—Engines)

S/135/61/000/004/003/012  
A006/A101

AUTHORS: Zgonnik, V.M., Engineer, Kakuyevitskiy, V. A., Candidate of Technical Sciences, Silkin, A. S., and Timofeyeva, T. I., Engineers

TITLE: Reconditioning of Carburized Parts by Electric-Pulse Building-Up

PERIODICAL: Svarochnoye proizvodstvo, 1961, No. 4, pp. 15 - 17

TEXT: Electric-pulse (vibro-arc) building-up in a liquid jet came into extended use for the reconditioning of worn-out parts. However, nonuniform hardness of built-up surfaces and considerable reduction of fatigue strength restrict the effectiveness of the method. The Ukrainian dorozhno-transportnyy nauchno-issledovatel'skiy institut (Scientific Research Institute of Roads and Transportation) together with the Kiyev avtoremontnyy zavod No. 1 (Automobile Repair Plant No. 1) carried out an investigation to select the proper technological variant for repairing a Cardan shaft crosspiece by electric-pulse building-up assuring the necessary service properties of the part. The following technology was employed: grinding of the cross-pieces for building up to 21.4<sup>+0.1</sup> mm diameter: building up to 23 - 23.5 mm diameter; grinding to rated dimensions (22<sup>+0.008</sup> mm). The thickness of the built-up layer after mechanical treatment was 0.3 - 0.35 mm. Build-

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Reconditioning of Carburized Parts by Electric-Pulse Building-Up

ing-up was performed on the YAHЖ-5 (UANZh-5) machine with OBC (OVS) wire of 1.6 mm in diameter under the following conditions: 140 - 150 amp current; 12 v arc voltage; 1.1 m/min electrode feed rate; building - up pace : 1.7 mm/rev; rotation speed of part - 11 rpm; inductance - 4 PCTЭ -34 (RSTE-34) coilings. The consumption of the cooling liquid (Q) varied from 0.1 to 0.6 l/min. A chemical analysis of the built-up parts showed that when building up with OVS wire under the aforementioned conditions cracks appeared at  $Q > 0.25$  l/min; at  $Q = 0.3$  l/min cracks formed systematically. The location of the cracks indicate that they were caused by tensile tangential residual stresses, formed on the external surface as a result of building-up process. The authors determined residual stresses on pins cut off the cross pieces using the Zaks method. The specimens were drilled from 8 to 16 mm, then bored out to 19 mm. The residual stresses were determined by consecutive grinding of the specimens along the external diameter to 0.25 mm depth. The nature of changes and magnitude of residual stresses in the remaining section was determined by interpolation from the equilibrium condition, i.e., the equivalence of the sum of positive and negative surfaces of the graph of residual stresses (Fig. 5). The experimental investigation yielded the following results: When

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Reconditioning of Carburized Parts by Electric-Pulse Building-Up

building-up worn out carburized steel parts under conventional conditions, the microhardness of the built-up metal is non-uniform and varies within 330 - 750 kg/mm<sup>2</sup> depending on the consumption of the cooling liquid. Burning-out of carbon during the building-up process decreases with a higher consumption of the cooling liquid. Minimum carbon content in the built-up layer at  $Q = 0.1$  l/min is 0.56%. As a result of non-uniform heating of the part built-up by electric pulse process a redistribution of residual tangential stresses over the section takes place. In the built-up layer residual tensile stresses arise which amount to 7.5 - 42.5 kg/mm<sup>2</sup> depending on the consumption of the cooling liquid. At  $Q > 0.25$  l/min these stresses exceed the ultimate strength of the built-up layer. This causes the formation of cracks passing into the base metal. Minimum residual stresses were observed when building-up with  $Q = 0.1$  l/min; in this case cracks were not revealed. Heat treatment (quenching, or carburizing and quenching) of the part built up with small amounts of the cooling liquid considerably increases the magnitude and stability of hardness and entails satisfactory redistribution of residual stresses over the section. This promotes an increase of fatigue strength of the parts. For reconditioning of parts with a high strength reserve, subjected during operation to static load and low wear, it is recommended to use electric.

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Reconditioning of Carburized Parts by Electric-Pulse Building-Up

-pulse building up at  $Q < 0.1$  l/min without subsequent heat treatment. The repair of parts with low strength reserve operating under variable load and considerable wear, can be effectively performed by building-up with low consumption of cooling liquid and subsequent heat treatment, i.e., carburizing with quenching and low-temperature tempering. (heating to  $800^{\circ}\text{C}$ , for 20 min. cooling in water, tempering at  $180 - 200^{\circ}\text{C}$  for 1 h). A control of parts built-up by the described technology showed high wear resistance of the pins and sufficient fatigue strength of the parts. There are 7 figures and 4 Soviet references

ASSOCIATION; Ukrdorstransnii

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S/135/61/000/004/003/012  
A006/A101

# Reconditioning of Carburized Parts by Electric-Pulse Building-Up

Figure 1:

Dependence of changes in the carbon content in building-up process on the consumption of cooling liquid

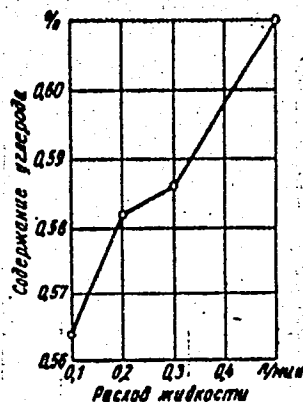
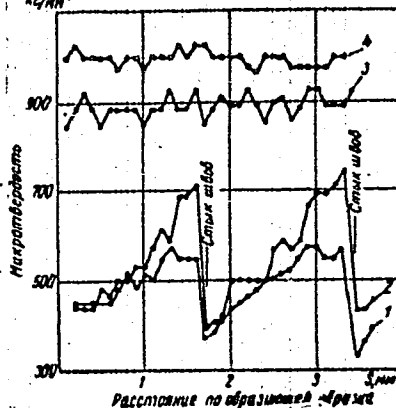


Рис. 1. Зависимость изменения содержания углерода в наплаве от расхода охлаждающей жидкости.

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Figure 2:

Microhardness of built-up layers at: 1 -  $Q = 1$  l/min; 2 -  $Q = 0.5$  l/min; 3 -  $Q = 0.1$  l/min and quenching; 4 -  $Q = 0.1$  l/min and carburizing with quenching

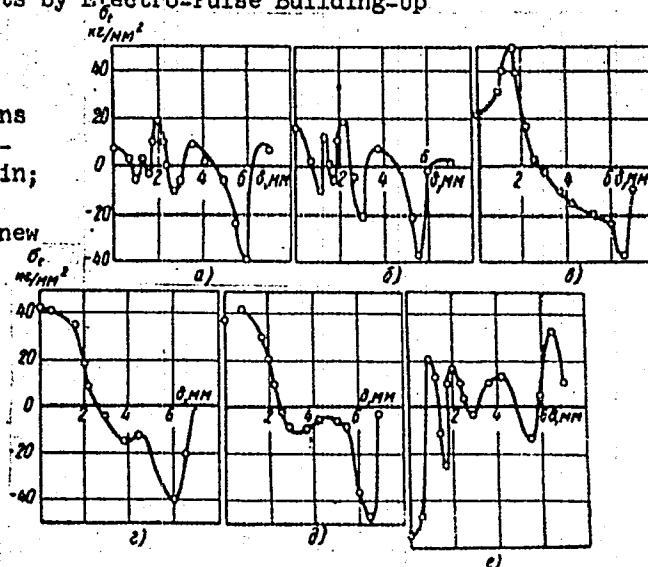


S/135/61/000/004/003/012  
A006/A101

# Reconditioning of Carburized Parts by Electro-Pulse Building-Up

Figure 5:

Residual stresses in built-up pins  
of a Cardan shaft cross-piece a -  
 $Q = 0.1$  l/min; b -  $Q = 0.15$  l/min;  
c -  $Q = 0.2$  l/min; d -  $Q = 0.25$   
l/min; e -  $Q = 0.3$  l/min; f - new  
cross piece.



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SILKIN, A.S., inzh.; KAKUYEVITSKIY, V.A., kand.tekhn.nauk

Investigating the wear of cardan spider pins operating in needle  
bearings. Vest.mash. 41 no.2:9-12 F '61. (MIRA 14:3)  
(Motor vehicles—Transmission devices)

KAKUYEVITSKIY, V.A., kand.tekhn.nauk; ARTYUKHOV, M.A.

Fatigue strength of GAZ engine crankshafts. Avt.prom. 28 no.11:  
34-36 N '62. (MIRA 16:1)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledovatel'skiy  
institut.

(Crank and crankshafts---Testing)

KAKUYEVITSKIY, V. A., kand. tekhn. nauk; SILKIN, A. S., inzh.

Residual stresses occurring during the building-up of small-diameter cylindrical parts. Mashinostroenie no.5:63-66  
S-0 '62. (MIRA 16:1)

1. Ukrainskiy derezhno-transportnyy nauchno-issledovatel'skiy institut.

(Electric welding) (Strains and stresses)

KAKUYEVITSKIY, Valeriy Aleksandrovich, kand. tekhn. nauk; DYUMIN,  
I.Ye., kand. tekhn. nauk, retsenzent; NOVIK, A.M., red.  
izd-va; MATUSEVICH, S.M., tekhn. red.

[Centralized reconditioning of motor-vehicle parts] Tsentra-  
lizovannoe vosstanovlenie avtomobil'nykh detalei; voprosy or-  
ganizatsii i tekhnologii. Kiev, Gos.izd-vo tekhn. lit-ry  
USSR, 1963. 169 p. (MIRA 16:12)  
(Motor vehicles--Maintenance and repair)

SILKIN, A., inzh.; KAKUYEVITSKIY, V., kand. tekhn. nauk

Improving the repair of cardan joints. Avt. transp. 41 no.9:29-  
31 S '63. (MIRA 16:10)

SILKIN, A.S., inzh.; KAKUYEVITSKIY, V.A., kand.tekhn.nauk

Breakdown of hard chromium plating caused by a rocking movement.  
Vest.mashinostr. 43 no.9:35-36 S '63. (MIRA 16:10)



KAKUYEVITSKIY, V.A., kand.tekhn.nauk; GUSEYNOV, D.G., inzh.

Fatigue strength of automobile crankshe<sup>ts</sup> reconditioned by weaving  
arc build-up welding. Svar.proizv. no.10:21-23 0 '64.

(MIRA 18:1)

KAKUYEVITSKIY, V.A.; GUSEYNOV, D.G.

Fatigue strength of automobile crankshafts reconditioned by electric arc welding. Avtom. svar. 17 no.3:71-75 Mr '64. (MIRA 17:11)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledovatel'skiy institut.

KAKUYEVITSKIY, V.A.; SIIKIN, A.S.

Durability of center pieces of a universal joint reconditioned  
by build-up welding. Avtom. svar. 17 no.9:66-70 S '64.

(MIRA 17:10)

1. Ukrainskiy doroshno-transportnyy nauchno-issledovatel'skiy  
institut.

KAKUYEVITSKIY, V., kand. tekhn.nauk

Centralized reconditioning of parts in the Ukrainian S.S.R.  
Avt.transp. 42 no.3:24-27. Mr '64. (MIRA 17:4)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledovatel'skiy  
institut.

KARJYEVITSKIY, V., kand. tekhn. nauk; GUSEYNOV, D., inzh.

Selecting the method for building-up crankshafts of the GAZ-51  
engines. Avt. transp. 42 no.7:29-32 J1 '64.

(MIRA 17:11)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledovatel'skiy  
institut.

MOLCHANOV, V.F.; KAKUYEVITSKIY, V.A., kand. tekhn. nauk  
retsenzent

[Rapid chromizing] Skorostnoe khromirovanie. Kiev,  
Tekhnika, 1965. 249 p. (MIRA 18:11)

[illegible]

KAKUZINA, B. E.

Kakuzina, B. E. - "The problem of protein and chloride metabolism in schizophrenia,"  
Trudy Tsentr. in-ta psikhiiatrii, Vol. IV, 1949, p. 414-20

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).



DOBRITSOV, Leontiy Nikolayevich; KUNI, F.M., red.; KAL', M.M., red.;  
LUK'YANOV, A.A., tekhn.red.

[Atomic physics] Atomnaya fizika. Moskva, Gos.izd-vo fiziko-  
matem.lit-ry, 1960. 348 p. (MIRA 14:3)  
(Spectrum, Atomic) (Atomic theory)

BATYGIN, Vladimir Vladimirovich; TOPTYGIN, Igor' Nikolayevich;  
PETRUN'KIN, A.M., red.; KAL', M.M., red.; LUK'YANOV, A.A.,  
tekh. red.

[Collected problems on electrodynamics] Sbornik zadach po  
elektrodinamike. Pod red. M.M.Bredova. Moskva, Gos.izd-vo  
fiziko-matem.lit-ry, 1962. 480 p. (MIRA 15:6)  
(Electrodynamics)

MIKHAYLOV, Igor' Georgiyevich; SOLOV'YEV, Viktor Aleksandrovich;  
SYRNIKOV, Yuriy Pavlovich; KAL', M.M., red.; CHEBOTAREVA,  
A.V., red.

[Fundamentals of molecular acoustics] Osnovy molekuliarnoi  
akustiki. Moskva, Nauka, 1964. 514 p. (MIRA 17:10)

KUDREVICH, Boris Ivanovich; FARMAKOVSKIY, S.F., doktor tekhn. nauk, red.; DOROFYEV, I.T., kand. tekhn. nauk, nauchn. red.; MATVEYEV, S.S., kand. tekhn. nauk, nauchn. red.; DANISHEVSKIY, L.V., kand. tekhn. nauk, nauchn. red.; KAL', M.M., red.

[The theory of gyroscopic instruments; selected works] Teoriia giroskopicheskikh priborov; izbrannye trudy. Leningrad, Sudostroenie. Vol.2. 1965. 295 p. (MIRA 18:4)

BARANOV, Aleksandr Potapovich; KOMAROVSKAYA, N.V.; VASIL'YEV,  
L.G., kand. tekhn. nauk, retsenzent; REFIN, I.A., kand.  
tekhn. nauk, nauchn. red.; KAL', M.M., red.

[New sources of electrical power for ships] Novye istochniki  
elektricheskoi energii dlia sudov. Leningrad, Sudostroenie,  
1965. 131 p. (MIRA 18:10)

CHEKUNOV, Konstantin Artem'yevich; BLANIN, V.T., retsenzent;  
SAKHAROV, Yu.K., retsenzent; NITSAY, V.Ye., nauchn. red.;  
KAL', M.M., red.

[Electric drives of ships] Sudovye elektropriivody. Lenin-  
grad, Sudostroenie, 1965. 339 p. (MIRA 18:11)

PERSIANTSIEVA, V.P.; KUDRYAVTSEV, N.T.; KAL', V.M.

Bright copperizing of shaped hardware using acid electrolytes.

Metalloved. i obr. met. no.9:42-46 S '58.

(MIRA 11:10)

1. Moskovskiy khimiko-tekhnologicheskij institut imeni Mendeleyeva.  
(Protective coatings) (Electrolytes)

KALA,

CZECHOSLOVAKIA / Chemical Technology. Leather. Fur. H  
Gelatine. Tanning Agents. Technical  
Proteins.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 76046.

Author : ~~Kala~~ Shkutek.

Inst : Not given.

Title : The Application of Ion Exchangers in the Leather Industry.

Orig Pub: Veda a vyzk. v prumyslu kozedeln, 1956, 1,  
63-69.

Abstract: The ion exchange action of the cation Extra F was investigated as well as the possibility of its application for regulating the pH in first tanning liquors according to the requirements set for leathers that are used for various pur-

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95



KALA, inz.

The ES 242 A electron microscope. Nova tehnika no.9:413 S '60.

KALR, ANTONIN

CZECH

✓ Higher quality of auto leather. Antonin Kala (Leather &  
Allied Trades Research Inst, Communist Czechoslovakia)  
Kalinin 1, 134-6, 181 (1953).--The above Co-  
evaluation of auto leather.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000620010006-6



APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000620010006-6"

KALA, R.Kh.

Effect of a change in the heating capacity of mined shale on the economic indices of the shale mining enterprises of the Estonian Shale Trust. Khim. i tekhn. gor. slan. i prod. ikh perer. no.11: 117-125 '62. (MIRA 17:3)

KALAB, Albert

Selected ISA fits; Czechoslovak standard Q1 4155. Normalizace 11 nd. 2:  
39-44 F '63.

1. Zavody V.I.Lenina Plzen, n.p.

RADEMACHER, R., DVM; KÁLAB, DVM; VAŠÁTKO, Z., DVM;  
SKROVNÝ, R.

Czechoslovakia

Brno, Veterinářství, No 2, 1963, pp 53-54

"The First Case of Pseudorabies of Cattle Found in the  
Region of East Bohemia."

4

KALAB, D.

GERM.

The oscillopolarographic behavior of a few amino acids toward the stationary mercury-covered platinum electrode. D. Kalab and R. Proch (Research Inst. Food Technol., Prague). Pharmazie 10, 31-2 (1955).--Oscillograms are presented for glycine, asparagine, aspartic acid, methionine, tryptophan, phenylalanine, glutamic acid, tyrosine, and histidine. It appears that the polarographic behavior of proteins is not dependent only on the SH and SS groups. G. M. Hocking.

*[Handwritten signature]*

KALAB, D...

✓ Oscilloscopic detection of substances on filter paper. Z. Pečan, D. Kaláb, and E. Paleček (Masaryk Univ., Brno, Czech.). *Pharmazie* 10, 520-8 (1955). A method is described with a Cu amalgam stationary electrode. This was applied to the characterization of several amino acids. However, it is effectively used for the detection of any oscilloscopic active substance and particularly for those which are separable by paper chromatography or ionophoresis or electrophoresis on paper. If care is taken, the method may also be applied quantitatively to very small amounts of substance. The method avoids the need of elution.

a troublesome process which often leads to a series of errors.  
G. M. Hocking

(2)



KALAB, D

Use of oscillographic polarography for quantitative analysis  
of some amino acids. D. Kaláb (Masaryk Univ., Brno,  
Czech. Pharmacol. 11:203-204, 1960); of C.A. 50:15147b  
... method is described for

"APPROVED FOR RELEASE: 03/20/2001

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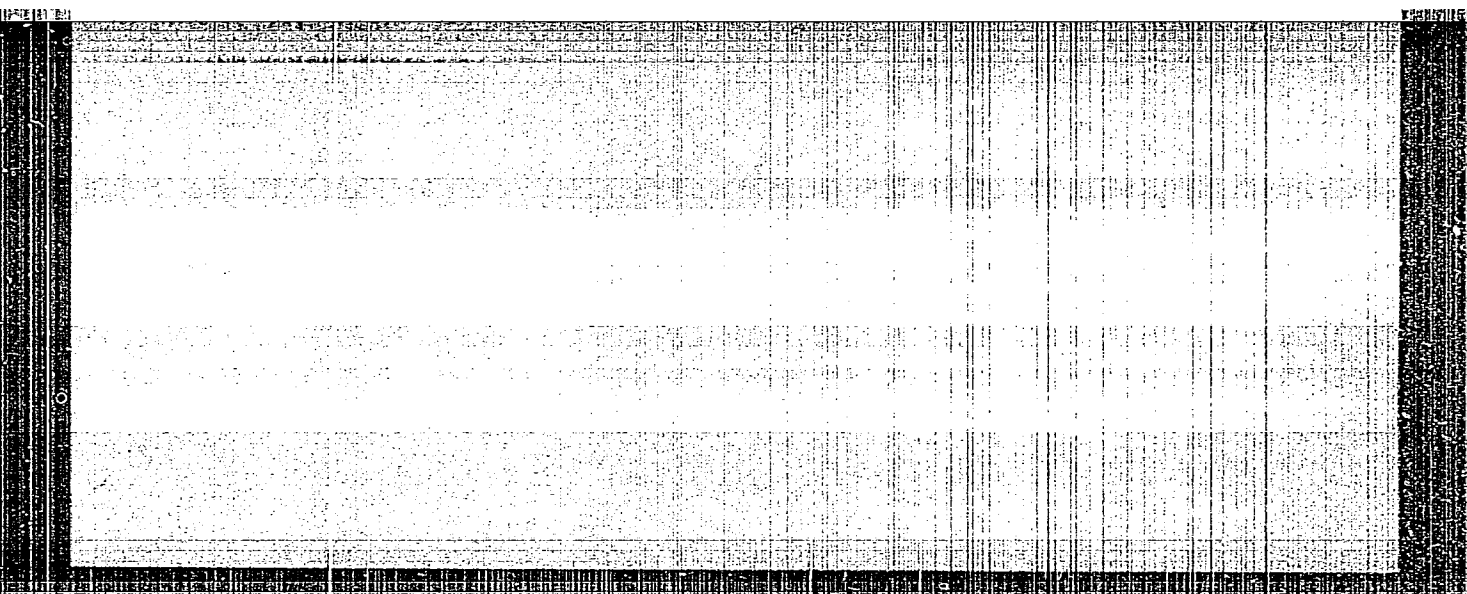
*Biochem. J.*

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CZECHOSLOVAKIA/Human and Animal Pathogens.

F

Abs Jour : Ref Zhur Biol., No 1, 1959, 771

Author : Kalab, D., Novotna, S.

Inst : -

Title : Biochemical Investigation of Swine Erysipelas.  
I. Use of Paper Chromatography to Differentiate Strains  
of Swine Erysipelas Stimulants

Orig Pub : Veterin med., 1958, 3, No 3, 149-160

Abstract : No abstract.

Card 1/1

- 22 -

Kučer, Oskar, pseudonym Ochoch; Křátek, Ladislav, MVDr.

Biological studies on swine erysipelas. Pt. 6. Veter medicina 8  
no.3:177-184 July 1963.

i. Hrychka National Erysipelas, Ivanovice na Hanu, Director of the  
enterprise [Hrychka] V. Maršálek.

CZECHOSLOVAKIA

KALAB, Dusan, Graduate Chemist, and STAROSTIK, Ladislav, Dr of Veterinary Medicine, Bioveta National Enterprise, Ivanovice na Hane, V. MARJANEK, Dr of Veterinary Medicine, director.

"Biochemical Study of the Erysipelas of Swine. VI. Immunology Against Erysipelas"

Prague, Veterinari Medicina, Vol 8 (36), No 3, May 1963, pp 177-184.

Abstract [Author's German summary]: Experiments were made with mice to prove the presence of a soluble immunizing antigen which enters the live medium during the growth of *Erysipelothrix rhusiopathiae suis*. This antigen produces the formation of specific antibodies in rabbits, which can be proved by means of agglutination and agar precipitation. The presence of specific antibodies against the soluble antigen was determined even in commercial homologous hyperimmune serums against erysipelas of swine. Ten references.

KALAB, D.

Application of oscillographic polarography in photochemistry.  
Pts.1-2. Chem zvesti 18 no.5/6:435-443 '64.

1. Research Department of the Bioceta National Enterprise,  
Ivanovice na Hane.

BURDA, J.; KALAB, J.

Primary sarcoma of the stomach. Cesk. gastroent. vyz. 17  
no.4:231-237 Je '63.

1. Oddeleni pro hrudni a brisni chirurgii UVN v Praze, vedouci  
doc. dr. B. Placak.

(STOMACH NEOPLASMS) (SARCOMA)

(LYMPHOSARCOMA) (SARCOMA, RETICULUM CELL)



PLACAK, B.; PRAZAK, M.; BURDA, J.; KALAB, J.; BARTAK, L.

Analysis of our 1st 100 patients surgically treated for  
mitral stenosis. Rozh. chir. 42 no.11:764-774 N'63.

1. Oddeleni pro chirurgii hrudni a brisni UVN v Praze; ve-  
douci: doc.dr. B.Placak.

PRAZAK, M.; PLACAK, B.; KALAB, J.

Our experiences with the Crafoord-Serning apparatus for extra-corporeal circulation. Rozh. chir. 42 no. 11: 780-784 N° 63.

1. Oddeleni pro chirurgii hrudni a brisni UVN v Praze; vedouci: doc. dr. B. Placak.

\*

KALAB, J.; BURDA, J.

Successful stomach resection in hemophilia A. Rozhl. chir. 43  
no.8:540-544 Ag '64.

1. Oddeleni pro chirurgii hrudni a brisni UVN v Praze (vedouci doc.  
dr. B. Placak).

PISEK, Jaroslav, inz.; KALAB, Jiri, inz.; MARTINEK, Vladimir, inz.

Reconstruction of the ZIF 300 boring set. Geol pruzkum 6 no.8:  
249 Ag '64

1. Jachymovske doly; Geologicky pruzkum National Enterprise,  
Pribram; Central Administration of Radioactive Raw Material Research  
and Mining, Development Center, Pribram.

7

Kalab, M.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products H  
and Their Application. Food Industry.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33141.

Author : Kalab, M.

Inst : Not given.

Title : Quantitative and Qualitative Changes of Pectins  
in Somifabricated Wild Apples.

Orig Pub: Chem. zvesti, 1958, 12, No 8, 487-495.

Abstract: Specimens of sulfitized pulp and sulfitized fruits,  
obtained from wild apples containing 1.0-1.5% of  
pectins, were prepared. On storage, the total  
content of the insoluble pectins decreased in  
the sulfitized fruits considerably faster than  
in the sulfitized puree. The viscosity of the

Card 1/2

267

KAJAN, M.

"Substances accompanying pectin. I Qualitative determinations."

CHEMICKE ZVESTI, Praha, Czechoslovakia, Vol. 13, No. 5, May 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

PELIKAN, V.; KALAB, M.; NOVOSADOVA, J.; JIRKA, Z.

Determination of tryptophan metabolism during sports activity.  
Cas. lek. cesk. 102 no.35:967-969 30 Ag '63.

1. Ustav telovychovneho lekarstvi lekarske fakulty PU v Olomouci,  
prednosta prof. dr. V. Pelikan, CSc.  
(TRYPTOPHAN) (METABOLISM) (EXERTION)  
(XANTHURENATES) (SPORT MEDICINE)

PELIKAN, V.; KALAB, M.; KOVAR, M.

Studies on functions of the small intestine in infectious hepatitis with special reference to dietic therapy. Cas.lek.cesk 100 no.43: 1367-1369 27 0 '61.

1. Gastroenterologicka laborator PU, Olomouc, prednosta doc. MUDr.  
V. Pelikan. Infekcni odd. OUNZ-Prostejov, prednosta MUDr. M. Kovar.

(HEPATITIS INFECTIOUS nutrition & diets)  
(INTESTINE SMALL physiol)



KALAB, M.; PELIKAN, V.

Determining the urea along with arginine and ornithine by the reaction with p-dimethylaminobenzaldehyde. Coll Cz Chem 27 no.7:1639-1644 JI '62.

1. Gastroenterologisches Laboratorium, Palacky Universitat, Olomouc.

\*

CZECHOSLOVAKIA

KALAB, M; PELIKAN, V.

Gastroenterological Laboratory of the Medical Faculty  
of Palacky University, Olomouc (for both)

Prague, Collection of Czechoslovak Chemical Communications,  
pp 2265-2267

"On the Activity of Arginase IV. Electrophoretic  
Separation of Arginase of Human Erythrocytes."

KALAB, M.; PELIKAN, V.

On the activity of arginase. Pt.4. Coll Cz Chem 28 no.8:2265-  
2267 Ag '63.

1. Gastroenterologisches Laboratorium, Medizinische Fakultät,  
Palacky-Universität, Olomouc.

PEGRIMOVA, E.; KALAB, M.; VYKYDAL, M.

Chloroquine excretion in the urine. Cas. lek. cesk. 104 no.22:  
595-597 4 Je '65.

1. III. interni klinika lekarske fakulty Palackeho University  
v Olomouci (prednosta: prof. dr. V. Pelikan).

KALAB, Radomil, inz.; PARIZEK, Otto; BILIKOVA, Marie; FIALA, Bohuslav

Corrugated prefabricates from reinforced concrete. Poz stavby  
II no.4:191-195 '63.

1. Remodelsky stavebne technicky rozvoj, Brno.

KRAL, M., RNDr.; KALAB, V., promovany matematik

Beatless cams. Jemna mech opt 7 no.6:183-184 Je '62.

1. Ustav pro vyskum optiky a jemne mechaniky, Prerov.

KALAB, Vladimir; HLAVACOVA, Anna

Photometric determination of  $\epsilon$ -caprolactam. Chem prum  
13 no.11:611-613 N'63.

I. Chemicke zavody W.Piecka, n.p., zavod Zilina.

KALAS, V.

Automatic balance for weighing liquids J. Plátník and  
J. Povolný, Brno, Czechoslovakia. The device is  
designed for weighing liquids in the range of 0.01 to 100 g.  
The balance is of the type in which the weighing  
cell is connected to a bridge circuit. The balance  
is of the type in which the weighing cell is connected  
to a bridge circuit. The balance is of the type in which  
the weighing cell is connected to a bridge circuit.

M. Hudský



K. KALAB, V.

✓  
⊙  
Constant rate feeding device for liquids. J. Plukava and  
V. Kalab: Collection - Czechoslovak Chem. COMMUNIS, 20,  
1974-75(1975)(in German).—See C.A. 49, 4341c.

E. J. C.

KALAB, V.

CZECHOSLOVAKIA/Chemical Technology - Processes and Equipment  
in Chemical Technology.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 54222

Author : V. Kalab, K. Vnukova, J. Rzhepish.  
Inst : ~~Prague~~

Title : The Efficiency of Extraction Columns Equipped with  
Mixers.

Orig Pub : Chem. listy, <sup>July</sup> 1957, <sup>Vol.</sup> 51, No 7, 1249-1255, <sup>Prague, CZECHOSLOVAKIA.</sup>

Abstract : The efficiency of two semi-industrial extraction  
columns with blade mixers were investigated:  
1) those equipped with cross ring discs welded to the  
inner surface of the column, and  
2) those having the sections filled with cylindrical  
packing. The blades of the mixer are located between  
the discs and the sections.

Card 1/1

COUNTRY	:	Czechoslovakia	R-29
CATEGORY	:		
INS. JOUR.	:	RZKha., No. 22 1959 No.	80296
AUTHOR	:	Paujik, L. and Kalab, V.	
TRSP.	:	Not given	
TITLE	:	Apparatus for Determining the Abrasion Resistance of Plastics	
CHIL. FOR.	:	Chem Prumysl, 9, No 1, 54 (1959)	
ABSTRACT	:	<p>A simple apparatus is described for evaluating the abrasion resistance of plastics. Compared to other similar equipment (of foreign manufacture), the apparatus described operates on only a small area of sample (3 x 10 x 100 mm). The probable error of a single determination is <math>\pm 2\%</math>.</p> <p style="text-align: right;">D. Yakesh</p>	

REF: 1/1

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KALAB, Vladimir; PETRU, Kamil; VALICA, Vladimir

Effect of raw materials on the yield of ammonium nitrate.  
Chem prum 12 no.9:484-486 S '62.

1. Chemicke zavody W. Piecka, n.p., zavod Zilina.

KALAB, V., promovany matematik

"Textbook of linear programming" by [prof., inz.] B. Kordá. Reviewed  
by V. Kalab. Jemna mech opt 7 no.11:360 N '62.

KALAB, V., promovany matematik; MAZUR, J., inz.

Aspherical surfaces, Pt.3. Jemna mech opt 8 no.11:380 N'63.

1. Ustav pro vyzkum optiky a jemne mechaniky, Prerov.

L 10660-65

ACCESSION NR: AP4049555

2/0050/154/000/007/0205/0207

AUTHOR: Kral, M. (Doctor of natural sciences); Kalak, VI.

TITLE: Linear diaphragms

SOURCE: Zhurnal mekhanika a optika, no. 7, 1964, 205-207

TOPIC TAGS: photographic diaphragm, photographic objective

Abstract [Authors' English summary, modified]: The problem of screening objectives by multiple plate diaphragms has been solved in only an approximative way. Formulas and diagrams

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L 10560-65

ACCESSION NR: AP4049555

ASSOCIATION: DVOUM, Prerov

SUBMITTED: 18 Apr 64

ENCL: 00

SUB CODE: ES

NO REF LOW. 00

OTHER: 000

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2/3

L 34732-66

ACC NR: AP6025211

SOURCE CODE: CZ/0008/66/000/002/0257/0259

AUTHOR: Kalab, Vladimir; Bielik, Milan

34

B

ORG: W. Pieck's Chemical Enterprises, National Enterprise, Zilina (Chemicke zavody W. Piecka, n.p.)

TITLE: Automatic regulation of steam bath temperature

SOURCE: Chemicke listy, no. 2, 1966, 257-259

TOPIC TAGS: automatic regulation, chemical laboratory apparatus

ABSTRACT: The principle of the apparatus designed by the authors is the maintaining of the temperature by means of an electric heater regulated by a thermostat. The advantage of the apparatus is that it allows a very exact maintaining of the selected temperatures, usually within  $\pm 0.2^{\circ}\text{C}$ . Detailed description of the glassware used in the arrangement is given. Orig. art. has: 1 figure. [JPRS: 35,397]

SUB CODE: 07, 13 / SUBM DATE: 10Mar65 / ORIG REF: 003

LS

Card 1/1

L 42257-66

ACC NR: AP6031491

SOURCE CODE: CZ/0008/66/000/004/0537/0538

AUTHOR: Kalab, Vladimir; Skopal, Jan

ORG: W. Pieck Chemical Works n.p., Zilina (Chemicke zavody W. Piecka; n.p., zavod Zilina)

TITLE: Filtration insert

SOURCE: Chemicke listy, no. 4, 1966, 537-538

TOPIC TAGS: filtration, polymethylmethacrylate, chemical laboratory apparatus

ABSTRACT: The authors suggest an improvement of the Buchner funnel generally used in analytical chemistry. In a Buchner funnel the filtration is rather slow because the liquid flows through the capillaries of the filter medium only where the paper is in contact with the openings of the funnel. The authors designed a ring made in polymethylmethacrylate 4 mm thick provided with 14 openings with a 19 mm diameter. This insert is located between the paper and the Buchner funnel. In an experiment with caprolactam the filtration time was cut by the insert from 21 minutes to 1 minute. Orig. art. has: 2 figures. [JPRS: 36,464]

SUB CODE: 07 / SUBM DATE: 30Jun65 / ORIG REF: 002 / OTH REF: 001

Card 1/1 *fdh*

KALAB, Vladimir; PETRU, Kamil

Improvement of the Beckman rearrangement in the preparation of  $\epsilon$ -caprolactam. Chem prum 14 no. 1s28-30 Ja '64.

1. Chemické závody W.Piecka, n.p., zavod Zilina

KALAB, Vladimir

Questions of industrial production of hydroxylamine. Chem  
prum 14 no.9:465-466 S '64.

1. Chemické závody W. Flecka National Enterprise, Žilina.

KALAB, Vladimir

Measuring aggressive gas currents. Chem listy 58 no.10:  
1162-1164 0 '64.

1. Chemicke zavody W. Piecka National Enterprise, Zilina.

KALAB, Vl., promovany matematik

Aspherical surfaces. Pt.2. Jemna mech opt 8 no.10:307-309  
0 '63.

1. Ustav pro byzkum optiky a jemne mechaniky, Prerov.

FAIT, M.; KALAB, Z.; SAIBERT, Z.

Problems of cervicobrachialgia and brachialgia in children. Acta  
chir. orthop. traum. cech. 31 no.2:151-153 Ap '64.

1. Ortopedicke oddeleni (vedouci doc. dr. M. Fait), neurologicke  
oddeleni (vedouci MUDr. V. Holub) Detske fakultni nemocnice V Brne.



FINTAJSLOVA, O.; KALAB, Z.; TOMAN, M.

Congenital brain malformations accompanied by so-called hydrocephalus. Cesk. ped. 20 no.12:1062-1065 D '65.

1. II. detska klinika lekarske fakulty University J.Ev. Purkyne v Brne (prednosta - prof. dr. M. Toman) a Vyskumny ustav pediatricky v Brne (reditel - prof. dr. Z. Brunecky).

KALAB, Z.; FAJT, M.; STEINEROVA, H.

Familial recurrent amyotrophic neuralgia in children. Cesk.  
pediat. 20 no.10:883-886 0 '65.

1. Vyzkumny ustav pediatricky v Brne a Ortopedicke a neuro-  
logicke oddeleni Fakultni detske nemocnice v Brne.

KALAB, Zdenek

Affective reflex convulsions in childhood. Cesk. neur. 23 no.4:  
246-250 Je '60.

1. Nervove oddeleni Krajske detske nemocnice v Brne, prednosta  
prim. MUDr. V. Holub.  
(CONVULSIONS in inf. & child)

KALAB, Zd.; TYNOVA, L.

Degeneration of the gray cerebrospinal matter in childhood. Cesk.  
pediat. 16 no.6:489-495 Jo '61.

1. Neurologické oddelení krajské dětské nemocnice v Brně, přednosta  
MUDr. Václav Holub.

(BRAIN dis)